

Title (en)

Rail contact for axle counting device

Title (de)

Schienenkontakt für eine Achszähleinrichtung

Title (fr)

Contact placé sur la voie pour compteur d'essieux

Publication

**EP 0918009 B1 20040714 (DE)**

Application

**EP 98440184 A 19980828**

Priority

DE 19745436 A 19971015

Abstract (en)

[origin: DE19745436A1] The rail contact has a receiver coil for an alternating the electromagnetic field which is generated by two transmitting coils. A voltage supply device supplies at least one of the two transmitting coils with a voltage that can be freely selected inside a previously established range. The rail contact has a store for a reference signal pattern, and a comparator for the received voltage with the stored voltage pattern. A computer unit controls the voltage supply using the result of the comparison so that the pattern of the received voltage that can be found by a wheel passing through at the receiver coil is as near as possible to the reference signal pattern.

IPC 1-7

**B61L 1/16**

IPC 8 full level

**B61L 1/16** (2006.01)

CPC (source: EP)

**B61L 1/165** (2013.01); **B61L 1/167** (2013.01); **B61L 1/169** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB IT LI NL PT SE

DOCDB simple family (publication)

**EP 0918009 A2 19990526; EP 0918009 A3 20010926; EP 0918009 B1 20040714**; AT E270988 T1 20040715; DE 19745436 A1 19990422; DE 59811668 D1 20040819; ES 2221139 T3 20041216

DOCDB simple family (application)

**EP 98440184 A 19980828**; AT 98440184 T 19980828; DE 19745436 A 19971015; DE 59811668 T 19980828; ES 98440184 T 19980828